

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IAP5 Rec'd PCT/PTO 29 SEP 2006

Applicant: Atsushi HATABU

Title: TEMPLATE MATCHING METHOD, TEMPLATE MATCHING APPARATUS, AND RECORDING MEDIUM THAT RECORDS PROGRAM FOR IT

Appl. No.: Unassigned

International Filing Date: 01/11/2006

371(c) Date: 09/29/2006

Examiner: Unassigned

Art Unit: Unassigned

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicant in order to comply with Applicant's duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**10/594897**

**TIMING OF THE DISCLOSURE**

**APR 5 REC'D PCT/PTO 29 SEP 2006**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the date of entry of the national stage as set forth in 37 CFR §1.491.

**RELEVANCE OF EACH DOCUMENT**

Document A1 is a U.S. counterpart of Document A5, which relates to an interpolation arithmetic method, system therefore and recording medium to obtain an image with high sharpness without causing artifact at a part where transparency is changed.

Document A2 is a U.S. counterpart of Document A7, which relates to a system for processing movement compensating video signal to reduces the ability of a video signal processor without reducing the quality of a conversion processing and resolution so much.

Document A3 relates to an image signal processing apparatus capable of discriminating a type of an image signal with high accuracy while switching a plurality of interpolation systems corresponding to the types of the images, and adapting to a request of high image quality while realizing a simplified circuit configuration.

The relevance of Documents A8-A10 is described in the present application.

Documents A4 and A6, listed on the attached PTO/SB/08, were cited as being relevant during the prosecution of the corresponding International application. A copy of the International Search Report is attached setting forth the portion of each document considered relevant by the examiner. An English-language counterpart of the foreign-language documents has not been provided. The absence of a translation or an English-language counterpart document does not relieve the PTO from its duty to consider any submitted document (37 CFR §1.98 and MPEP§609).

10/594897

Applicant respectfully requests that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

Although Applicant believes that no fee is required for this Request, the Commissioner is hereby authorized to charge any additional fees which may be required for this Request to Deposit Account No. 19-0741.

Respectfully submitted,

Date: September 29, 2006

By



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Substitute for form 1449B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<b>Application Number</b>	Unassigned
				<b>Filing Date</b>	01/11/2000
Date Submitted: September 29, 2006				<b>First Named Inventor</b>	Atsushi HATABU
				<b>Group Art Unit</b>	Unassigned
(use as many sheets as necessary)				<b>Examiner Name</b>	Unassigned
				<b>Attorney Docket Number</b>	040447-0286
Sheet	1	of	1		

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	A1	6,597,819	B1	ITO	07-22-2003	
	A2	5,675,826		MANZE et al.	10-07-1997	

## UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Application Document		Name of Patentee or Applicant of Cited Document	Filing Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Serial Number	Kind Code <sup>2</sup> (if known)			

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	A3	JP	2003-319171	A	SONY CORP.	11-07-2003		A
	A4	JP	2003-150898	A	NIPPON TELEGR & TELEPH CORP.	05-23-2003		A
	A5	JP	2001-008024	A	FUJI PHOTO FILM CO. LTD.	01-12-2001		A
	A6	JP	11-214485		DAINIPPON SCREEN MFG. CO. LTD.	08-06-1999		A
	A7	JP	06-326980		SONY UNITED KINGDOM LTD.	11-25-1994		A

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	A8	A MURAT TEKALP, "Chapter 6 – Block-based Methods," Digital Video Processing, Prentice Hall, 1995, pp. 95-116.	
	A9	M. SHIMIZU et al., "Significance and Attributes of Subpixel Estimation on Area-Based Matching," Systems and Computers in Japan, Vol. 34:12, 2003, pp.1-10.	
	A10	K. TANAKA et al., "A Parametric Template Method and Its Application to Robust Matching," IEEE Conference on Computer Vision and Pattern Recognition, 2000, pp. 1-8.	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.